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(71) Applicant and

(72) Inventor: PEDERSEN, Steinar [NO/NO]; Elgtråkket 48,  
N-1383 Asker (NO).

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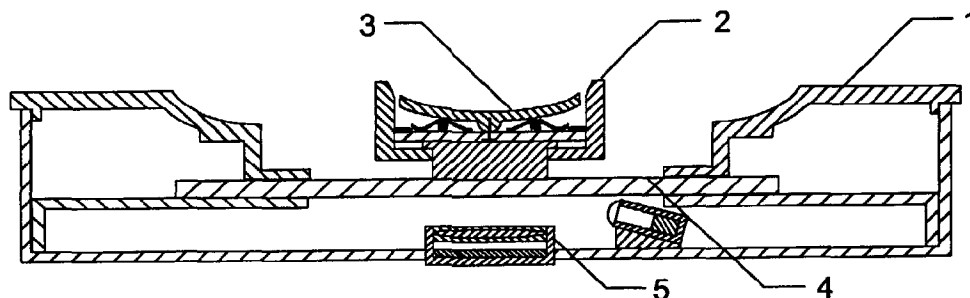
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(54) Title: CURSOR CONTROL UNIT WITH PATTERNED GUIDE PLATE



(57) Abstract: The invention represents a control unit used for positioning and control of PC cursors and other objects, where the device incorporates a control module comprising a control button that is mounted on a horizontally sliding guide plate; where the motion or position of the control module in the X-Y plane is detected by an opto-electronic sensor means encompassing a light source, a photo-sensor matrix and a processor that can interpret signals useful from the matrix and transform them into control signals useful for control of movements and location of said cursor or object on a display or PC screen; where the opto-electronic sensor is capable of detecting X-Y motions of the control module due to the photo-sensor matrix capturing sequential pictures of the lower side of the guide plate which is being illuminated by diffuse light.



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